

Pre-Algebra Summer Assignment (2026–2027)

Students transitioning from 6th or 7th Grade into Pre-Algebra must complete the following assignment prior to the first day of the 2026–27 school year.

Assignment Instructions

1. Go to www.ixl.com
2. Log into your IXL account.
3. Click Learning → Math → 8th Grade.
4. Complete each assigned skill topic listed by your teacher.
5. Reach a SmartScore of 85 or higher on each topic.

Important

- This assignment will count as a TEST GRADE.
- It is DUE ON THE FIRST DAY OF SCHOOL.
- No late or partial credit will be given.

June

2026

Students transitioning from 6th/7th Grade to Pre Alg will need to complete the following assignments prior to the first day of the 2026-27 school year. Your goal should be to reach a Smart Score of 85 or higher on each IXL topic. Go to [IXL.com](https://www.ixl.com), log into your account, click "Learning", then "Math", and go to 8th Grade.

Complete the following skill topics. Please enter your grade and have a parent initial the block. This will be a TEST GRADE and DUE on the 1st Day of School.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8 Add or Subtract Integers. B.12	9	10 Multiply and Divide Integers B.22	11	12 Add and Subtract Fractions. G.1	13
14	15	16 Multiply Fractions G.8	17	18 Divide Fractions. G.12	19 Study Memory Card 7 th Grade	20
21	22 Add and Subtract Positive and Negative Decimals. I.1	23	24 Add and Subtract Positive and Negative Fractions. I.2	25	26 Multiply and Divide Positive and Negative Decimals I.6	27
28	29	30 Multiply and Divide Positive and Negative Fractions. I.7				

July

2026

Students transitioning from 6th/7th Grade to Pre Alg will need to complete the following assignments prior to the first day of the 2026-27 school year. Your goal should be to reach a Smart Score of 85 or higher on each IXL topic. Go to [IXL.com](https://www.ixl.com), log into your account, click "Learning", then "Math", and go to 8th Grade. Complete the following skill topics. Please enter your grade and have a parent initial the block. This will be a TEST GRADE and DUE on the 1st Day of School.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 Solve One-Step Equations T.6	3 Study Memory Card 7 th Grade	4
5	6 Evaluate numerical expressions one step at a time. E.6	7	8 Prime Factorization with exponents. F.5	9	10 Convert between decimals and fractions. G.7	11
12	13	14 Multiply two decimals: where does the decimal go? I.2	15	16 Add and subtract mixed numbers. TPZ	17 Study Memory Card 7 th Grade	18
19	20 Add and subtract mixed <u>numbers</u> word problems. X8C	21	22 Divide Fractions and mixed numbers. N2B	23	24 Add, subtract, multiply or divide two fractions: Word Problems. RDY	25
26	27	28 Multiply integers; find the sign. DKA	29	30 Add and Subtract like Terms CNg	31 Study Memory Card 7 th Grade	

Name:

Date:

Period:

STUFF YOU MUST KNOW – 7th Grade Math & Prealgebra

<p>Memory Exponents:</p> <p>$1^2 =$ $2^2 =$ $3^2 =$</p> <p>$4^2 =$ $5^2 =$ $6^2 =$</p> <p>$7^2 =$ $8^2 =$ $9^2 =$</p> <p>$10^2 =$ $11^2 =$ $12^2 =$</p> <p>$13^2 =$ $14^2 =$ $15^2 =$</p> <p>$1^3 =$ $2^3 =$ $3^3 =$</p> <p>$4^3 =$ $5^3 =$ $6^3 =$</p> <p>10 raised to a power:</p> <p>$2^1 =$ $2^2 =$ $2^3 =$</p> <p>$2^4 =$ $2^5 =$ $2^6 =$</p> <p>$2^7 =$ $2^8 =$ $2^9 =$</p> <p>$2^{10} =$</p> <p>Inequality Meanings:</p> <p><</p> <p>≤</p> <p>></p> <p>≥</p> <p>≈</p>	<p>Order of Operations:</p> <p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>Greatest Common Factor:</p> <p>Least Common Multiple:</p> <p>Prime Numbers:</p> <p>Fraction Operations (Examples):</p> <p>Addition/Subtraction-</p> <p>Multiplication-</p> <p>Division-</p> <p>Mixed Number to Improper Fraction:</p> <p>$n\% =$</p> <p>$\frac{is}{of} =$</p>	<p>Properties:</p> <p>Commutative-</p> <p>Addition:</p> <p>Multiplication:</p> <p>Associative-</p> <p>Addition:</p> <p>Multiplication:</p> <p>Distributive-</p> <p>Customary Units:</p> <p>8 oz =</p> <p>2 c =</p> <p>2 pts =</p> <p>4 qts =</p> <p>12 in =</p> <p>3 ft =</p> <p>5280 ft =</p> <p>1 lb =</p> <p>1 min =</p> <p>1 hr =</p> <p>Metric Units:</p> <p>kilo</p> <p>hecto</p> <p>deca</p> <p>UNIT</p> <p>deci</p> <p>centi</p> <p>milli</p>
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Integer Operations:

Addition/Subtraction:

Pos + Pos =
Neg + Neg =

Pos + Neg =
Neg + Pos =

-⁻ is the same as:

+⁻ is the same as:

Multiplication/Division:

Pos x Pos =
Neg x Neg =

Neg x Pos =
Pos x Neg =

Pos ÷ Pos =
Neg ÷ Neg =

Pos ÷ Neg =
Neg ÷ Pos =

Division by Zero:

$\frac{0}{\#} =$

$\frac{0}{0} =$

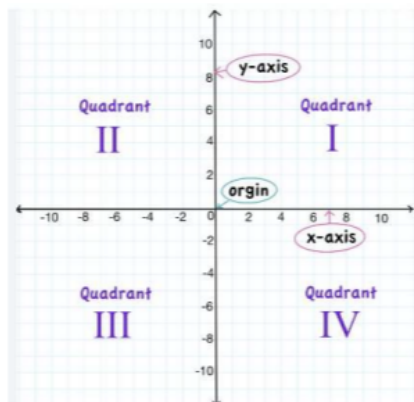
$\frac{\#}{0} =$

Simple Interest:

Absolute Value:

$|a| \geq 0$ Examples:

Parts of Coordinate Plane:



Fraction/Decimal/Percent Conversions:

Fraction	Decimal	Percent
	0.9	
	$0.\bar{3}$	
$\frac{2}{10} = \frac{1}{5}$		75%
	0.4	
$\frac{1}{10}$		60%
	0.8	
$\frac{1}{4}$		30%
$\frac{5}{10} = \frac{1}{2}$		
	0.7	
$\frac{2}{3}$		100%

Formulas:

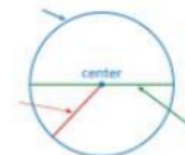
Area of Triangle:

Area of Parallelogram:

Area of Trapezoid:

Circle:

Parts:



Sum of angle measures:

Circumference:

Area:

Cylinder:

Surface Area:

Volume:

Negatives with exponents:

$(-5)^2 =$

$-5^2 =$

Measures of Central Tendency:

Mean-

Median-

Mode-

Range-